Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/15/2021 09:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126449	1	3.40	126372	3.48
Blue	F	SSC	125000	125869	0	4.41	126515	4.59
Blue	E	FITC	14203	13912	-3	3.63	300	15.64
Blue	D	PE	25703	25582	-1	3.36	553	11.09
Blue	B	PerCP-Cy5-5	42104	41341	-2	3.85	927	15.22
Blue	A	PE-Cy7	34646	34596	-1	5.01	499	29.90
Red	C	APC	49824	49716	-1	3.35	1515	11.49
Red	A	APC-Cy7	39773	39148	-2	3.37	738	12.02
Violet	B	V450	7447	7254	-3	4.04	410	12.73
Violet	A	V500	31193	30619	-2	3.82	695	10.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22153	3.56	555	-1	N/A	N/A	Pass
Blue	F	SSC	55698	3.98	519	7	N/A	N/A	Pass
Blue	E	FITC	55	55.60	488	2	0.0413	186	Pass
Blue	D	PE	110	38.92	490	5	0.3567	269	Pass
Blue	B	PerCP-Cy5-5	177	36.78	582	5	0.0179	46	Pass
Blue	A	PE-Cy7	113	65.09	627	7	0.0209	0	Pass
Red	C	APC	354	23.56	569	2	0.0279	68	Pass
Red	A	APC-Cy7	204	24.71	545	1	0.0059	540	Pass
Violet	B	V450	91	40.43	449	0	0.0441	1380	Pass
Violet	A	V500	122	28.90	467	0	0.0251	646	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.48	-32.16	1.04
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.38
Red	20.89	15.99 - 23.99	N/A	N/A	30.36	30.76	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 11084

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments